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ANALYTICAL RESULTS

Prepared for:

Chevron 5000 State Route 128 HOOVEN OH 45033

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

September 30, 2009

Project: Hooven Barrier Monitoring Network

Samples arrived at the laboratory on Wednesday, September 23, 2009. The PO# for this group is 0015039270 and the release number is 50008931. The group number for this submittal is 1163088.

Client Sample Description	Lancaster Labs (LLI) #
Equipment_Blank,091709 Grab Water Sample	5784231
MW-135S,091709 Grab Water Sample	5784232
MW-135I,091709 Grab Water Sample	5784233
MW-135D,091709 Grab Water Sample	5784234
BMW-1S,091709 Grab Water Sample	5784235
BMW-1I,091809 Unspiked Grab Water Sample	5784236
BMW-1I,091809MS Grab Water Sample	5784237
BMW-1I,091809MSD Grab Water	5784238
BMW-1I,091809DUP Grab Water Sample	5784239
BMW-1D,091809 Grab Water Sample	5784240
BMW-2D,092109 Grab Water Sample	5784241
BMW-2I,092109 Grab Water Sample	5784242
MW-136I,092109 Grab Water Sample	5784243
MW-136D,092109 Grab Water Sample	5784244
BMW-2S,092109 Grab Water Sample	5784245
MW-137I,092209 Unspiked Grab Water Sample	5784246
MW-137I,092209MS Grab Water Sample	5784247
MW-137I,092209MSD Grab Water	5784248
MW-137I,092209DUP Grab Water Sample	5784249
BD-1,092209 Grab Water Sample	5784250
BMW-3D,092209 Grab Water Sample	5784251
BMW-3I,092209 Grab Water Sample	5784252
BMW-3S,092209 Grab Water Sample	5784253





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MW-137D,092209 Grab Water Sample	5784254
BD-2,092209 Grab Water Sample	5784255
Equipment_Blank,092209(P) Grab Water Sample	5784256
Equipment_Blank,092209 Grab Water Sample	5784257
Trip_Blank Water Sample	5784258

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC Trihydro Corporation Attn: Trihydro Database

COPY TO

ELECTRONIC Trihydro Corporation Attn: Tim Gunn

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ELECTRONIC Trihydro Corporation Attn: Matthew Mitchell

COPY TO

Questions? Contact your Client Services Representative Katherine A Klinefelter at (717) 656-2300

Respectfully Submitted,

Marla S. Lord Senior Specialist



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Sample Description: Equipment Blank, 091709 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784231 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/17/2009 10:20 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NEE17

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1
						1 1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	07:43	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	07:43	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848001	09/26/2009	02:06	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848001	09/25/2009	14:59	James L Mertz	1
07035	Arsenic	SW-846 6010B	1	092681848001	09/26/2009	02:06	John W Yanzuk II	1



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Sample Description: MW-135S,091709 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784232 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/17/2009 11:10 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

N135S

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	10:48	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	10:48	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848001	09/26/2009	02:14	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848001	09/25/2009	14:59	James L Mertz	1
07035	Arsenic	SW-846 6010B	1	092681848001	09/26/2009	02:14	John W Yanzuk II	1



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Sample Description: MW-135I,091709 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784233 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/17/2009 11:55 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

N135I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	11:34	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	11:34	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848001	09/26/2009	02:17	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848001	09/25/2009	14:59	James L Mertz	1
07035	Arsenic	SW-846 6010B	1	092681848001	09/26/2009	02:17	John W Yanzuk II	1



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Sample Description: MW-135D,091709 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784234 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/17/2009 13:40 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

N135D

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	12:21	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	12:21	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848001	09/26/2009	02:20	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848001	09/25/2009	14:59	James L Mertz	1
07035	Arsenic	SW-846 6010B	1	092681848001	09/26/2009	02:20	John W Yanzuk II	1



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Sample Description: BMW-1S,091709 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784235 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/17/2009 15:00 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-1S

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	11:57	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	11:57	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848001	09/26/2009	02:23	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	092681848001	09/25/2009	14:59	James L Mertz	1
	rec)							
07035	Arsenic	SW-846 6010B	1	092681848001	09/26/2009	02:23	John W Yanzuk II	1



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Sample Description: BMW-1I,091809 Unspiked Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784236 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/18/2009 12:50 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-1I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	08:30	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	08:30	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009	19:01	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848004	09/28/2009	09:15	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009	19:01	John P Hook	1



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Sample Description: BMW-1I,091809MS Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784237 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/18/2009 12:50 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-1I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	21	0.5	1
06291	Chlorobenzene		108-90-7	21	0.8	1
06291	Ethylbenzene		100-41-4	21	0.8	1
06291	Toluene		108-88-3	22	0.7	1
06291	Xylene (Total)		1330-20-7	63	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	0.157	0.0072	1
07055	Lead		7439-92-1	0.146	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009 11	1:11 Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009 11	1:11 Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009 19	:11 John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	092681848004	09/28/2009 09	9:15 Denise K Con	ners 1
	rec)						
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009 19	9:11 John P Hook	1



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Sample Description: BMW-1I,091809MSD Grab Water

Barrier Monitoring Network

LLI Sample # WW 5784238 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/18/2009 12:50 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128

Discard: 11/30/2009 HOOVEN OH 45033

NE-1I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	19	0.5	1
06291	Chlorobenzene		108-90-7	19	0.8	1
06291	Ethylbenzene		100-41-4	18	0.8	1
06291	Toluene		108-88-3	19	0.7	1
06291	Xylene (Total)		1330-20-7	55	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	0.158	0.0072	1
07055	Lead		7439-92-1	0.144	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	09:16	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	09:16	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009	19:14	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848004	09/28/2009	09:15	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009	19:14	John P Hook	1



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Sample Description: BMW-1I,091809DUP Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784239 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/18/2009 12:50 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-1I

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metal	s Dissolved	SW-846 6010B	mg/l	mg/l	
07035	Arsenic	7440-38-2	N.D.	0.0072	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009 19:08	John P Hook	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009 19:08	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	092681848004	09/28/2009 09:15	Denise K Conners	1
	mag)						



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Sample Description: BMW-1D,091809 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784240 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/18/2009 15:00 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-1D

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	09:39	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	09:39	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009	19:34	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848004	09/28/2009	09:15	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009	19:34	John P Hook	1



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Sample Description: BMW-2D,092109 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784241 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/21/2009 08:25 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-2D

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009	10:02	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009	10:02	Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009	19:38	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848004	09/28/2009	09:15	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009	19:38	John P Hook	1



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Sample Description: BMW-2I,092109 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784242 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/21/2009 08:50 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-2I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092681AA	09/25/2009 10:	25 Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092681AA	09/25/2009 10:	25 Kerri E Koch	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009 19:	41 John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848004	09/28/2009 09:	15 Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009 19:	41 John P Hook	1



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Sample Description: MW-136I,092109 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784243 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/21/2009 13:50 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

N136I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	22:21	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	22:21	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009	19:44	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	092681848004	09/28/2009	09:15	Denise K Conners	1
	rec)							
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009	19:44	John P Hook	1



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Sample Description: MW-136D,092109 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784244 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/21/2009 10:50 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

N136S

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1
						1 1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	22:44	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	22:44	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009	19:48	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	092681848004	09/28/2009	09:15	Denise K Conners	1
	rec)							
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009	19:48	John P Hook	1



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Sample Description: BMW-2S,092109 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784245 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/21/2009 10:05 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-2S

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	23:07	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	23:07	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848004	09/29/2009	19:51	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848004	09/28/2009	09:15	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848004	09/29/2009	19.51	John P Hook	1



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Sample Description: MW-137I,092209 Unspiked Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784246 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 11:55 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

N137I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1
						1 1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	21:11	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	21:11	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:00	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:00	John P Hook	1



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Sample Description: MW-137I,092209MS Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784247 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 11:55 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

N137I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	22	0.5	1
06291	Chlorobenzene		108-90-7	22	0.8	1
06291	Ethylbenzene		100-41-4	22	0.8	1
06291	Toluene		108-88-3	22	0.7	1
06291	Xylene (Total)		1330-20-7	65	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	0.178	0.0072	1
07055	Lead		7439-92-1	0.167	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	21:34	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	21:34	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:10	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:10	John P Hook	1



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Sample Description: MW-137I,092209MSD Grab Water

Barrier Monitoring Network

LLI Sample # WW 5784248 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 11:55 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128

Discard: 11/30/2009 HOOVEN OH 45033

N137I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	21	0.5	1
06291	Chlorobenzene		108-90-7	21	0.8	1
06291	Ethylbenzene		100-41-4	21	0.8	1
06291	Toluene		108-88-3	21	0.7	1
06291	Xylene (Total)		1330-20-7	63	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	0.153	0.0072	1
07055	Lead		7439-92-1	0.155	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	21:57	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	21:57	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:13	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
	rec)							
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:13	John P Hook	1



As Received

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Sample Description: MW-137I,092209DUP Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784249 LLI Group # 1163088

ОН

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 11:55 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128

Discard: 11/30/2009 HOOVEN OH 45033

N137I

CAS Number	As Received Result	Method Detection Limit	Dilution Factor
SW-846 6010B	mg/l	mg/l	
7440-38-2	N.D.	0.0072	1
7439-92-1	N.D.	0.0069	1
	SW-846 6010B 7440-38-2	CAS Number Result SW-846 6010B mg/1 7440-38-2 N.D.	CAS Number Result Detection Limit SW-846 6010B mg/l mg/l 7440-38-2 N.D. 0.0072

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009 19:)7 John P Hook	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009 19:	7 John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	092681848005	09/28/2009 09:	Denise K Conners	1
	rec)						



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Sample Description: BD-1,092209 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784250 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128

Discard: 11/30/2009 HOOVEN OH 45033

NEBD1

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	23:30	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	23:30	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:20	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:20	John P Hook	1



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Sample Description: BMW-3D,092209 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784251 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 09:15 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-3D

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	23:53	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	23:53	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:24	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:24	John P Hook	1



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Sample Description: BMW-3I,092209 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784252 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 10:05 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-3I

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1
						1 1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/26/2009	00:16	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/26/2009	00:16	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:33	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:33	John P Hook	1



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Sample Description: BMW-3S,092209 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784253 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 11:05 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NE-3S

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/26/2009	00:39	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/26/2009	00:39	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:37	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:37	John P Hook	1



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Sample Description: MW-137D,092209 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784254 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 13:15 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

N137D

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/26/2009	01:02	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/26/2009	01:02	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:40	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
	rec)							
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:40	John P Hook	1



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Sample Description: BD-2,092209 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784255 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NEBD2

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1
						1 1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/26/2009	01:25	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/26/2009	01:25	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848005	09/28/2009	19:43	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848005	09/28/2009	09:25	Denise K Conners	1
07035	Arsenic	SW-846 6010B	1	092681848005	09/28/2009	19:43	John P Hook	1



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Sample Description: Equipment Blank, 092209(P) Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784256 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 15:00 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NEEBP

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	0.9 J	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	20:02	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	20:02	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848001	09/26/2009	02:26	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848001	09/25/2009	14:59	James L Mertz	1
07035	Arsenic	SW-846 6010B	1	092681848001	09/26/2009	02:26	John W Yanzuk II	1



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Sample Description: Equipment Blank, 092209 Grab Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784257 LLI Group # 1163088

OH

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 15:15 by JH Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128 Discard: 11/30/2009

HOOVEN OH 45033

NEB22

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1
Metals	s Dissolved	SW-846	6010B	mg/l	mg/l	
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07055	Lead		7439-92-1	N.D.	0.0069	1

General Sample Comments

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009	20:25	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009	20:25	Sara E Wolf	1
07055	Lead	SW-846 6010B	1	092681848001	09/26/2009	02:29	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092681848001	09/25/2009	14:59	James L Mertz	1
07035	Arsenic	SW-846 6010B	1	092681848001	09/26/2009	02:29	John W Yanzuk II	1



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Sample Description: Trip Blank Water Sample

Barrier Monitoring Network

LLI Sample # WW 5784258 LLI Group # 1163088

ОН

Project Name: Hooven Barrier Monitoring Network

Collected: 09/22/2009 17:00 Account Number: 11494

Submitted: 09/23/2009 09:00 Chevron

Reported: 09/30/2009 at 11:35 5000 State Route 128

Discard: 11/30/2009 HOOVEN OH 45033

NE-TB

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
06291	Benzene		71-43-2	N.D.	0.5	1
06291	Chlorobenzene		108-90-7	N.D.	0.8	1
06291	Ethylbenzene		100-41-4	N.D.	0.8	1
06291	Toluene		108-88-3	N.D.	0.7	1
06291	Xylene (Total)		1330-20-7	N.D.	0.8	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W092682AA	09/25/2009 20:48	Sara E Wolf	1
06291	TCL by 8260 (water)	SW-846 8260B	1	W092682AA	09/25/2009 20:48	Sara E Wolf	1



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Quality Control Summary

Client Name: Chevron Group Number: 1163088

Reported: 09/30/09 at 11:35 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: W092681AA	Sample numb	er(s): 578	84231-5784	238,578424	40-5784242			
Benzene	N.D.	0.5	ug/l	102		79-120		
Chlorobenzene	N.D.	0.8	ug/l	104		80-120		
Ethylbenzene	N.D.	0.8	uq/l	101		79-120		
Toluene	N.D.	0.7	ug/l	102		79-120		
Xylene (Total)	N.D.	0.8	ug/l	102		80-120		
Batch number: W092682AA	Sample numb	er(s): 578	34243-5784	248,57842	50-5784258			
Benzene	N.D.	0.5	ug/l	100		79-120		
Chlorobenzene	N.D.	0.8	ug/l	101		80-120		
Ethylbenzene	N.D.	0.8	ug/l	99		79-120		
Toluene	N.D.	0.7	ug/l	101		79-120		
Xylene (Total)	N.D.	0.8	ug/l	100		80-120		
Batch number: 092681848001	Sample numb	er(s): 578	34231-5784	235,57842	56-5784257			
Arsenic	N.D.	0.0072	mg/l	103		80-120		
Lead	N.D.	0.0069	mg/l	101		80-120		
Batch number: 092681848004	Sample numb	er(s): 578	34236-5784	245				
Arsenic	N.D.	0.0072	mg/l	105		89-115		
Lead	N.D.	0.0069	mg/l	98		80-120		
Batch number: 092681848005	Sample numb	er(s): 578	34246-5784	255				
Arsenic	N.D.	0.0072	mg/l	105		89-115		
Lead	N.D.	0.0069	mg/l	113		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP Conc	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: W092681AA						240-578424	2 UNSPK:	5784236	
Benzene	106	94	80-126	12	30				
Chlorobenzene	106	94	87-124	12	30				
Ethylbenzene	105	92	71-134	13	30				
Toluene	109	96	80-125	12	30				
Xylene (Total)	105	92	79-125	13	30				
Batch number: W092682AA	Sample	number(s)	: 5784243	-57842	48,5784	250-578425	8 UNSPK:	5784246	
Benzene	109	105	80-126	4	30				
Chlorobenzene	110	106	87-124	4	30				

- *- Outside of specification
- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

EPA ARCHIVE DOCUMENT



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Quality Control Summary

Client Name: Chevron Group Number: 1163088

Reported: 09/30/09 at 11:35 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	<u>Limits</u>	RPD	MAX	Conc	Conc	RPD	Max
Ethylbenzene	109	105	71-134	4	30	· <u></u>	<u> </u>		
Toluene	109	106	80-125	3	30				
Xylene (Total)	108	105	79-125	2	30				
Batch number: 092681848001	Sample	number(s)	: 5784231	-57842	35,5784	1256-5784257	UNSPK: P	785938 BKG:	P785938
Arsenic	98	105	75-125	7	20	N.D.	N.D.	0 (1)	20
Lead	82	88	75-125	6	20	0.0167	0.0154	8 (1)	20
Batch number: 092681848004	Sample	number(s)	: 5784236	-57842	45 UNSI	PK: 5784236	BKG: 5784	236	
Arsenic	105	105	75-125	0	20	N.D.	N.D.	0 (1)	20
Lead	97	96	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 092681848005	Sample	number(s)	: 5784246	-57842	55 UNSI	PK: 5784246	BKG: 5784	246	
Arsenic	119	102	75-125	15	20	N.D.	N.D.	0 (1)	20
Lead	111	104	75-125	7	20	N.D.	N.D.	0 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL by 8260 (water) Batch number: W092681AA Dibromofluoromethane

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzer
5784231	91	91	95	91
5784232	92	92	95	89
5784233	91	91	95	89
5784234	92	93	95	89
5784235	93	92	94	89
5784236	93	92	95	90
5784237	93	92	96	94
5784238	94	93	96	94
5784240	91	91	95	90
5784241	91	93	95	90
5784242	92	90	95	89
Blank	92	92	95	90
LCS	93	90	96	95
MS	93	92	96	94
MSD	94	93	96	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TCL by 8260 (water)

Batch number: W092682AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5784243	90	90	95	89
5784244	93	93	94	89
5784245	91	92	95	89

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

PA ARCHIVE DOCUMENT

MSD

Limits:



92

80-116

Analysis Report

94

78-113

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92

77-113

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Quality Control Summary

	me: Chevron 09/30/09 at 11:35 A	<u> -</u>	Group Number: 1163088						
Reported.	05/50/05 at 11.55 A		ality Control						
5784246	91	91	94	89					
5784247	92	89	96	94					
5784248	92	92	95	94					
5784250	92	89	95	89					
5784251	93	91	94	89					
5784252	93	92	95	88					
5784253	93	92	94	89					
5784254	92	90	94	87					
5784255	94	91	94	87					
5784256	90	90	95	90					
5784257	91	91	95	90					
5784258	91	93	95	90					
Blank	90	90	95	91					
LCS	92	88	95	94					
MS	92	89	96	94					

95

80-113

*- Outside of specification

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

⁽²⁾ The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custod



MU-1350,09/709

BMW-15091769

BMW-10,071869

RM2-2 D ASO 163

340-17,09/869 MS/MSD

BMU-17,091809

9-17-09

9.17-68

9-18-69

9-8-09

9-18-09

1340

1500

1250

1250

1500

×

For Lancaster Laboratories use only

Acct. # 11494 Group# 1163088 sample #5784231-58 COC#

211748

6

Please print. Instructions on reverse side correspond with circled numbers For Lab Use Only (5) Analyses Requested FSC: Client: Chatter Cinact Acct. #: 1/494 Matrix Preservation Codes SCR#: HW **Preservation Codes** Project Name/#: Barrier Vall 500-617-012 PWSID #: WWICN/7000M20 H=HCI T=Thiosulfate Project Manager: Doug La M P.O.#: N=HNO₃ B=NaOH S=H₂SO₄ O=Other Sampler: John Hell Quote #: 2 Sec Attached Name of state where samples were collected: Office analyclist Total # of Grab Comp Soil Date Time Sample Identification Collected Remarks Collected Discoluci Metals 9-17-09 Equipment Black, 091769 1020 are field filtered 9-17-09 MW-1355,091709 1110 MW-135I,091709 9-17-69 X 1155 OC Summery Dete Package

	AVIV NO JOINIUI		<u> </u>	<u> </u>											\rightarrow	4		
i	BMU-2I, 092109	9.	21-09	0250	X		1	- <	1 /3	1					\	1		_
7	Turnaround Time Requeste	d (TAT) (please circle	e): (Norma	al) Rush		Relia	aquishe	d by:				Date	Time	Receiv	ed by:		Date	Time (
4	(Rush TAT is subject to Lancaste	er Laboratories approval	and surcha	arge.)			[[]]	il				92009	1stan		•			,
	Date results are needed:	· · · · · · · · · · · · · · · · · · ·				7									\ ()		1	1
	Rush results requested by (pl	lease circle): Phone	e Fax	E-mail) 1	Reiir	nquishe	a by:				Date	Time	Receiv	earbh:		Date	Time
	Phone #: 5/3 353 /323	Fax #: <u>5/3</u> 35	3464		_	1	· ·											
	E-mail address: dlan@fr!	1				Relir	nquishe	erph:				Date	Time	Receiv	ed by:		Date	Time
(8	Data Package Options (pleas	se circle if required)	SE	G Comple	te?					_	_		·					Į.
	Type I (validation/NJ Reg)	TX TRRP-13	Y	es No		Relir	nguishe	d by:			_	Date	Time	Receiv	ed by:		Date	Time
	Type II (Tier II)	MA MCP CT RCP					•	•	•			1			•			\downarrow
	Type III (Reduced NJ)	Site-specific QC (MS/N	/ISD/Dup)?	Yes No								\triangle						1
	Type IV (CLP SOW)	(If yes, indicate QC sample and submit tripical	ate valume.)			Relin	nquishe	d by:				Date	Time	Receiv	ed by:		Date	Time
	Type VI (Raw Data Only)	Internal COC Required	d? Yes / No	·	_									1.	$\alpha \Lambda$. A .	G12510	s 900

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alysis Request/ Environmental Services Chain of Custod



For Lancaster Laboratories use only
Acct. # 11494 Group# 1163088 Sample #5784331-58

COC#

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Project Name/#: Barrio Chell Sco-0/7-012 Project Manager: Down Lem Sampler: The All Name of state where samples were collected:	PWSID P.O.#: _ Quote #	#:	7004M	120 -	Potable Check if NPDES Abolicable	- (4)	Containers	μ	N 8		Sciva	<u> </u>	7			Preserva H=HCI N=HNO ₃ S=H ₂ SO ₄	tion Code T=Thio B=NaC O=Othe	er	f samples (9)
2) Sample Identification	Date Collected	Time Collected	Grab (2)	Composite	Water	Other	Total # of	Vocs PR	Dssolves As 96			G 				Remar	ks		Temperature o upon receipt (if
MU-1367,092109	9-21-09	1350	x		X	١	4	3	ı	$\sqrt{}$						Dissolo	red Me	Lls	·
MCD-1360, 092105	9-21-09	1050	x		*		4	3	1							arefre			
&MU-25, 092/09	9-81-09	1005	x		+		4	3	j										
MW-137I, 092209	9-22-09	11:55	x		x		4	3	i							ac s	a much	, Deta	
MU-137I, 092209 MS/MSD	9-2209	1155	X		X		8	6	2			<	7			Packag	و	, Deta	
80-1,092209	92201		χ		x		4	3	1										
BMU-30, 092209	9-82-09	0915	x		1		4	3	i					\sum					
BMU-31,092209	9-22-09	1005	x		X		4	3	1										
BMW-35,092209	9-22-09	1105	X		X	·	4	3	1									-	
MU-1370,092209	9-22-09	1315	X		x	4	4	_ ک	1										
Turnaround Time Requested (TAT) (please of (Rush TAT is subject to Lancaster Laboratories applications)			F	Relino	rgistad	by	~	_			Date	1	Time 500	Rece	ived	by:		Date	Time (
Date results are needed: Rush results requested by (please circle): P Phone #: 5/3353/323 Fax #: 5/			\$	Reling	juished	by:					Date	e -	Time	Rece	ived	by:		Date	Time
			Reling	uished	by:					Date	9 .	Time	Rece	ived	by:	$\overline{}$	Date	Time	
Data Package Options (please circle if required) Type I (validation/NJ Reg) TX TRRP-13	SD Ye	G Complete' es No	-	Reling	juished	by:	_	_			Date	₽ .	Time	Rece	eived	by:		Date	Time
Type II (Tier II) Type III (Reduced NJ) Type IV (CLP SOW) Type VI (Raw Data Only) MA MCP CT Site-specific QC ("Yes, Incicate QC sample and sub Internal COC Red	MS/MSD/Dup)?		F	Reling	uished	by:	·-				-Qate	e	Time			by: Lale		Date	Time SOO

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 11494 Group# 1163088 Sample # 5 784331-58 COC # 211751

Please print. Instructions on reverse side correspond with circled numbers For Lab Use Only 5 Analyses Requested FSC: Client: Cheura Cincinati Acct. #: 1/494 Matrix **Preservation Codes** N **Preservation Codes** Project Name/#: Barricalle 1/ 500-017-012 PWSID #: NWICN700016 H=HCI T=Thiosulfate Project Manager: Doug Lam P.O.#: N=HNO₃ B≃NaOH S=H₂SO₄ O=Other Sampler: Quote #: REE ATTACHED ANALYTELIST Grab Compt Date Time Sample Identification Collected Collected Remarks Dissolved Metels BD-2,092209 9-22-08 are field filtered Equipment Black, 098209 (P) 1500 X Equipment 86-6,098209 9-22-09 1515 OC Summy deta package 9-22-09 Trip Blank 1700 Turnaround Time Requested (TAT) (please circle): Normal Rush Relinquished by: Time (9 Time Received by: Date 96461 1800 (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: Kelinquished by: Time | Received by Date Date Time Rush results requested by (please circle): Phone Fax (E-mail) Phone #: 5/3353/323 Fax #: 5/3353 9664 E-mail address: dame tribadro-com Relinquished by: Date Time | Received by: Date Time Data Package Options (please circle if required) SDG Complete? Type I (validation/NJ Reg) TX TRRP-13 Yes No Date Time Time | Received by: Relinquished by: Date MA MCP___CT RCP Type II (Tier II) Site-specific QC (MS/MSD/Dup)? Yes No. Type III (Reduced NJ) **Q**ate Time Received by: Type IV (CLP SOW) Relinquished by: Date Time (If yes, indicate OC sample and submit tripicate volume.) 900 Type VI (Raw Data Only) Internal COC Required? Yes / No 912805

Analytical Requests for Groundwater Chevron Cincinnati Facility, Hooven, Ohio

Volatile Organics
Benzene

Chlorobenzene Ethylbenzene

Toluene Xylenes (total)

Dissolved Metals-field filtered
Arsenic
Lead



Environmental Sample Administration Receipt Documentation Log

Client/Project: Chevian Cincinnti			icinatti	Shipping Container Sealed: (YES) NO									
Date o	of Receipt:	7/23/09		Custod	y Seal Pres	sent*: (Yi	NO ES						
Time o	of Receipt: <u>C</u>	100		* Custody seal was intact unless otherwise noted in the									
Source	e Code: <u>5</u>	50-)		" Custoay d	seal was inta discrepancy se	ection	e noted in the						
Unpac	ker Emp. No.	: <u>2316</u>		Package	e: 	Chille	Not Chilled						
			Temperature of	e of Shipping Containers									
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments						
. 1	O427783	1,30€	TB	WI	Y								
2	4	3.60	—	**	4	4							
3													
4													
5	***************************************												
6													
Numbe	r of Trip Blan	ks received <u>N</u>	IOT listed on chain	of custody:									
Paperw	vork Discrepa	ancy/Unpack	king Problems:	·									
			· 										
		Se	ample Administratio	on Internal Chain	of Custody	<u> </u>							
	Name		Date	Time		Reason for T	ransfer						
	Jany De	du,	9123109	1225	acking	0100							
12	My Kelr	ROLD	9/23/0	9 1447	·		or Entry						
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Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	I	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- < less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weightBesults printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

Inorganic Qualifiers

Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	Ε	Estimated due to interference
С	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quatitated on a diluted sample	N	Spike amount not within control limits
E	Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
	the instrument		for calculation
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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